

IN THE CLAIMS:

Please amend the claims as follows:

1. *(currently amended)* A method for performing a lawful interception in a packet network, comprising:

generating interception related information packets from a communication or network activity to be intercepted; and/or

generating communication content packets from said communication or network activity to be intercepted;

providing identification data for said interception related information packets and/or for said communication content packets of one group of communication content packets;

providing ordering data for each of said interception related information data packets and/or for each of said communication content packets which are generated in the generating step; and

transmitting said interception related information packets, said communication content packets, said identification data and said ordering data to an interception authority device; and

providing a frame for each interception related information packet and each communication content packet, in which said identification data and said ordering data is included.

2. *(currently amended)* The method according to claim 1, further comprising:

using said identification data for identifying interception related information packets and for said communication content packets of said one group of communication content packets; and

using said ordering data for ordering said interception related information packets and said communication content packets.

3. *(original)* The method according to claim 1, wherein said identification data is a session identification data.

4. *(previously presented)* The method according to claim 3, wherein said packet network is a general packet radio system network and said session identification is data obtained from a packet data protocol context in general packet radio system.
5. *(original)* The method according to claim 1, wherein said ordering data are integer numbers which are incremented for each sequential packet.
6. *(previously presented)* The method according to claim 1, further comprising providing a time stamp to each interception related information packet and/or to each communication content packet.
7. *(CANCELLED)*
8. *(currently amended)* The method according to claim ~~[[7]]~~ 1, further comprising:
 - providing a time stamp to each interception related information packet and/or to each communication content packet; and
 - arranging said time stamp in said frame.
9. *(previously presented)* The method according to claim 1, wherein said ordering data are such that an overflow thereof is possible, and
 - said method further comprises
 - providing a packet group indication to each interception related information packet and/or to each communication content packet for distinguishing between the group of packets before said overflow and the group of packets after said overflow.
10. *(currently amended)* An interception system for packet networks, comprising:
 - at least one first network element for intercepting a communication; and
 - at least one interception authority device;wherein said first network element comprises;

a first packet generator ~~for generating~~configured to generate interception related information packets from a communication or network activity to be intercepted, and to provide a frame for each interception related information packet; and/or

a second packet generator ~~for generating~~configured to generate communication content packets from said communication or network activity to be intercepted, and to provide a frame for each communication content packet;

an identification data generator ~~for generating~~configured to generate an identification data for said interception related information packets and/or said communication content packets associated to said communication;

an ordering data generator ~~for providing~~configured to provide ordering data for each of said interception related information data packets and/or each of said communication content packets which are generated by said first and/or second packet generator; and

a transmitter ~~for transmitting~~configured to transmit said interception related information packets and said communication content packets, said identification data and said ordering data to said interception authority device;

wherein said identification data generator is configured to include said identification data and said ordering data in each frame.

11. *(currently amended)* The system according to claim 10, wherein said interception authority device comprises:

a receiver ~~for receiving~~configured to receive said interception related information packets and said communication content packets including said identification and said ordering data;

an identification detector ~~for identifying~~configured to identify interception related information packets and communication content packets associated to said one communication; and

a packet ordering unit ~~for ordering~~configured to order said interception related information packets and/or said communication content packets according to said ordering data.

12. *(original)* The system according to claim 10, wherein said identification data is a session identification data.

13. *(previously presented)* The system according to claim 12, wherein said network is a general packet radio system network and said identification data generator of said first network element is adapted to detect said session identification data from a packet data protocol context.

14. *(currently amended)* The system according to claim 10, wherein said ordering data are integer order numbers and said ordering data generator ~~are adapted~~ is configured to increment the order number for each sequential packet.

15. *(previously presented)* The system according to claim 10, wherein said first network element further comprises:

a time stamp generator connected between said identification data generator and said ordering data generator, for providing a time stamp to each interception related information packet and/or to each communication content packet.

16. *(CANCELLED)*

17. *(currently amended)* The system according to claim ~~[[16]]~~ 10, wherein said first network element further comprises

a time stamp generator ~~for providing~~ configured to provide a time stamp to each interception related information packet and/or to each communication content packet, wherein said time stamp generator is ~~adapted~~ configured to include said time stamp into each of said frames.

18. *(currently amended)* The system according to claim 10, further comprising
an interception related information packets delivering device ~~for delivering~~ configured to deliver said interception related information packets from said first network element to said interception authority device;

a communication content packets delivering device ~~for delivering~~configured to deliver said communication content packets from said first network element to said interception authority device; and

a packet delivering control device;

wherein said packet delivering control device is configured to identify said interception related information packets and said communication content packets associated to said one group of communication content packets on the basis of said identification data, and to order said interception related information packets and said communication content packets on the basis of said ordering data.

19. *(previously presented)* The system according to claim 10, wherein said ordering data are such that an overflow thereof is possible, and

said system further comprises a packet group distinguisher for providing a packet group indication to each interception related information packet and/or to each communication content packet for distinguishing between the group of packets before said overflow and the group of packets after said overflow.

20. *(currently amended)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

means for generating interception related information packets from a communication or network activity to be intercepted and for providing a frame for each interception related information packet; and/or

means for generating communication content packets from said communication or network activity to be intercepted and for providing a frame for each communication content packet;

means for providing identification data for said interception related information packets and/or for said communication content packets of one group of communication content packets and for including the identification data in each frame;

means for providing ordering data for each of said interception related information data packets and/or for each of said communication content packets which are generated by said

means for generating communication content packets and for including the ordering data in each frame; and

means for transmitting said interception related information packets and/or said communication content packets, said identification data and said ordering data.

21. *(currently amended)* The apparatus according to claim 20, wherein said means for transmitting transmits said interception related information packets and/or said communication content packets, said identification data and said ordering data to an interception authority device.

22. *(previously presented)* The apparatus according to claim 20, wherein said apparatus is a network element.

23. *(previously presented)* The apparatus according to claim 22, wherein the network element is a serving general packet radio system support node.

24. *(previously presented)* The apparatus according to claim 22, wherein the network element is a gateway general packet radio system support node.

25. *(currently amended)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

a detector ~~which detects~~ configured to detect interception related information associated to the communication to be intercepted and creates data packets, in which said interception related information is included, wherein the detector is configured to provide a frame for each data packet;

an identifier generator, ~~which provides~~ configured to provide identification data for said interception related information packets and to include said identification data in each frame;

an ordering device, ~~which provides~~ configured to provide ordering data for each of said interception related information data packets which are generated by the detector; and

a transmitter, ~~which transmits~~configured to transmit said interception related information packets, said identification data and said ordering data;

wherein the identification data generator is further configured to include said ordering data in each frame.

26. *(currently amended)* The apparatus according to claim 25, wherein said transmitter ~~transmits~~is configured to transmit interception related information packets, said identification data and said ordering data to an interception authority device.

27. *(previously presented)* The apparatus according to claim 25, wherein said apparatus is a network element.

28. *(previously presented)* The apparatus according to claim 27, wherein the network element is a serving general packet radio system support node.

29. *(previously presented)* The apparatus according to claim 27, wherein the network element is a gateway general packet radio system support node.

30. *(currently amended)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

a detector ~~which detects~~configured to detect interception communication contents of ~~the a~~ communication to be intercepted and creates data packets, in which said communication contents are included, wherein the detector is configured to provide a frame for each data packet;

an identifier generator, ~~which provides~~configured to provide identification data for said communication content data packets and to include said identification data in each frame;

an ordering device, ~~which provides~~configured to provide ordering data for each of said communication content data packets which are generated by the detector; and

a transmitter, ~~which transmits~~configured to transmit said communication content data packets, said identification data and said ordering data;

wherein the identification data generator is further configured to include said ordering data in each frame.

31. *(currently amended)* The apparatus according to claim 30, wherein said transmitter ~~transmits~~ is configured to transmit said communication content data packets, said identification data and said ordering data to an interception authority device.

32. *(previously presented)* The apparatus according to claim 30, wherein said apparatus is a network element.

33. *(previously presented)* The apparatus according to claim 32, wherein the network element is a serving general packet radio system support node.

34. *(previously presented)* The apparatus according to claim 32, wherein the network element is a gateway general packet radio system support node.

35. *(currently amended)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

a receiver, which receives packets, comprising interception related information packets and/or communication content packets, identification data and ordering data of an intercepted communication, wherein a frame for each interception related information packet and each communication content packet is provided, in which said identification data and said ordering data is included;

an identifier detector, ~~which detects~~ configured to detect the identifier-identification data identifying packets that ~~belongs~~ belong to the ~~same~~ intercepted communication; and

an ordering device ~~for ordering~~ configured to order the received interception related information packets and/or communication content packets based to the ordering data.

36. *(previously presented)* The apparatus according to claim 35, wherein said apparatus is a Law Enforcement Agency device.